

Notice of Allowability

Application No.

10/783,363

Examiner

John Chavis

Applicant(s)

HOGG ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers filed 2/20/04.
2. ☒ The allowed claim(s) is/are 1-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows to circumvent potential 35 USC 101 issues:

24. (Currently Amended) A system including a processor for forming and executing code units, comprising: a language compiler configured to: form a first code unit having a resource, wherein the first code unit places restrictions on the visibility of the resource to other code units, and wherein the first code unit includes an attribute which overrides the restrictions with respect to a second code unit; and form the second code unit; and a runtime component configured to execute the first and second code units using a runtime compiler, involving making the resource of the first code unit visible to the second code unit as instructed by the attribute, wherein the runtime component is configured to use the attribute to determine, at runtime, whether the second code unit has permission to view the resource of the first code unit.

43. (Currently Amended) A processor implementing a runtime component for executing code units, comprising: logic configured to receive first and second compiled code units, wherein the first code unit places restrictions on the visibility of a resource in the first code unit to other code units, and wherein the first code

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unit includes an attribute which overrides the restrictions with respect to the second code unit; logic configured to use the attribute to determine whether the second code unit has permission to view the resource of the first code unit; and logic configured to proceed with the execution of the second code unit if it is determined that the second code unit has permission to view the resource of the first code unit.

49. (Currently Amended) A processor implementing a language compiler for forming code units, comprising: logic configured to: form a first code unit having a resource, wherein the first code unit places restrictions on the visibility of the resource to other code units, and wherein the first code unit includes an attribute which overrides the restrictions with respect to a second code unit, and; and form the second code unit, wherein the logic is further configured to ensure that the second code unit can view the resource in the first code unit when it forms the second code unit, further wherein the attribute is interpretable at runtime to selectively permit the second code unit to access the resource in the first code unit, and wherein the interpretation of the attribute is performed in a manner which is independent of a code language used to form the first code unit and the second code unit.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance: the closest prior art reference of record is the publication reference 2005/0021788. However, the reference does not teach or suggest the features of utilizing the

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first code unit that places restrictions on the visibility of the resource to other code units, and wherein the first code unit includes an attribute which overrides the restrictions with respect to a second code unit in which visibility is determined at runtime;

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Chavis whose telephone number is (571) 272-3720. The examiner can normally be reached on M-F, 9:00am-5:30pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JC



John Chavis
Primary Examiner AU-2193